

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Modified) PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. B0023-US01	SERIAL NO. 10/005431
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT HLAVINKA, et al.	
FEB 04 2002 (use several sheets if necessary)		FILING DATE 11/02/2001	GROUP ART 1724

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DJL	Re. 33,924	5/1992	Valeri	—	—	
DJL	3,145,713	8/1964	Latham, Jr.	—	—	
DJL	3,519,201	7/1970	Eisel et al.	—	—	
DJL	3,655,123	4/1972	Judson et al.	—	—	
DJL	3,737,096	6/1973	Jones et al.	—	—	
DJL	3,748,101	7/1973	Jones et al.	—	—	
DJL	3,825,175	7/1974	Sartory	—	—	
DJL	3,880,592	4/1975	Kelly et al.	—	—	
DJL	3,955,755	5/1976	Breillatt, Jr. et al.	—	—	
DJL	3,986,442	10/1976	Khoja et al.	—	—	
DJL	4,007,871	2/1977	Jones et al.	—	—	
DJL	4,010,894	3/1977	Kellogg et al.	—	—	
DJL	4,018,304	4/1977	Lolachi et al.	—	—	
DJL	4,059,108	11/1977	Latham, Jr.	—	—	
DJL	4,086,924	5/1978	Latham, Jr.	—	—	
DJL	4,094,461	6/1978	Kellogg et al.	—	—	
DJL	4,108,353	8/1978	Brown	—	—	
DJL	4,109,852	8/1978	Brown et al.	—	—	
DJL	4,109,854	8/1978	Brown	—	—	
DJL	4,109,855	8/1978	Brown et al.	—	—	
DJL	4,111,356	9/1978	Boggs et al.	—	—	
DJL	4,113,173	9/1978	Lolachi	—	—	
DJL	4,114,802	9/1978	Brown et al.	—	—	
DJL	4,120,448	10/1978	Cullis	—	—	
DJL	4,120,449	10/1978	Brown et al.	—	—	
DJL	4,146,172	3/1979	Cullis et al.	—	—	

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*Dickie Latham*

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O P E J C S	DJL	4,164,318	8/1979	Boggs	—	—	
DPL	DJL	4,185,629	1/1980	Cullis et al.	—	—	
DPL	DJL	4,187,979	2/1980	Cullis et al.	—	—	
DPL	DJL	4,191,182	3/1980	Popovich et al.	—	—	
DPL	DJL	4,194,684	3/1980	Boggs	—	—	
DPL	DJL	4,216,770	8/1980	Cullis et al.	—	—	
DPL	DJL	4,245,383	1/1981	Boggs	—	—	
DPL	DJL	4,303,193	12/1981	Latham, Jr.	—	—	
DPL	DJL	4,304,357	12/1981	Schoendorfer	—	—	
DPL	DJL	4,330,080	5/1982	Mathieu	—	—	
DPL	DJL	4,332,351	6/1982	Kellogg et al.	—	—	
DPL	DJL	4,379,452	4/1983	DeVries	—	—	
DPL	DJL	4,386,730	6/1983	Mulzet	—	—	
DPL	DJL	4,387,848	6/1983	Kellogg et al.	—	—	
DPL	DJL	4,402,680	9/1983	Schoendorfer	—	—	
DPL	DJL	4,416,654	11/1983	Schoendorfer et al.	—	—	
DPL	DJL	4,416,778	11/1983	Rogers	—	—	
DPL	DJL	4,417,884	11/1983	Schoendorfer et al.	—	—	
DPL	DJL	4,421,503	12/1983	Latham, Jr. et al.	—	—	
DPL	DJL	4,425,112	1/1984	Ito	—	—	
DPL	DJL	4,430,072	2/1984	Kellogg et al.	—	—	
DPL	DJL	4,435,293	3/1984	Graham, Jr. et al.	—	—	
DPL	DJL	4,436,631	3/1984	Graham, Jr. et al.	—	—	
DPL	DJL	4,439,178	3/1984	Mulzet	—	—	
DPL	DJL	4,447,221	5/1984	Mulzet	—	—	
DPL	DJL	4,464,167	8/1984	Schoendorfer et al.	—	—	
DPL	DJL	4,482,342	11/1984	Lueptow et al.	—	—	
DPL	DJL	4,526,515	7/1985	DeVries	—	—	

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DJL	4,531,932	7/1985	Luppi et al.	—	—	
DLL	4,557,719	12/1985	Neumann et al.	—	—	
DZL	4,610,846	9/1986	Martin	—	—	
DLY	4,636,193	1/1987	Cullis	—	—	
DLY	4,637,813	1/1987	DeVries	—	—	
DLL	4,647,279	3/1987	Mulzet et al.	—	—	
DLY	4,670,147	6/1987	Schoendorfer et al.	—	—	
DYL	4,675,106	6/1987	Schoendorfer et al.	—	—	
DYL	4,675,117	6/1987	Neumann et al.	—	—	
DLY	4,696,666	9/1987	Rice, Jr.	—	—	
DYL	4,708,712	11/1987	Mulzet	—	—	
DYL	4,713,176	12/1987	Schoendorfer et al.	—	—	
DYL	4,734,089	3/1988	Cullis	—	—	
DLF	4,738,655	4/1988	Brimhall et al.	—	—	
DZL	4,740,313	4/1988	Schoendorfer et al.	—	—	
DZL	4,753,729	6/1988	Schoendorfer et al.	—	—	
DLS	4,755,300	7/1988	Fischel et al.	—	—	
DZL	4,776,964	10/1988	Schoendorfer et al.	—	—	
DYL	4,790,807	12/1988	Neumann et al.	—	—	
DYL	4,804,363	2/1989	Valeri	—	—	
DLL	4,806,247	2/1989	Schoendorfer et al.	—	—	
DYL	4,816,151	3/1989	Schoendorfer et al.	—	—	
DYL	4,834,890	5/1989	Brown et al.	—	—	
DLF	4,850,995	7/1989	Tie et al.	—	—	
DLS	4,850,998	7/1989	Schoendorfer	—	—	
DYL	4,851,126	7/1989	Schoendorfer	—	—	
DYL	4,869,812	9/1989	Schoendorfer et al.	—	—	
DCL	4,879,040	11/1989	Prince et al.	—	—	

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*DYL Lehr*

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EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JHL	4,911,833	3/1990	Schoendorfer et al.	—	—	
JHL	4,919,817	4/1990	Schoendorfer et al.	—	—	
JHL	4,934,995	6/1990	Cullis	—	—	
JHL	4,935,002	6/1990	Gordon	—	—	
JHL	4,940,543	7/1990	Brown et al.	—	—	
JHL	4,943,273	7/1990	Pages	—	—	
JHL	4,944,883	7/1990	Schoendorfer et al.	—	—	
JHL	4,968,295	11/1990	Neumann	—	—	
JHL	4,983,158	1/1991	Headley	—	—	
JHL	4,990,132	2/1991	Unger et al.	—	—	
JHL	5,006,103	4/1991	Bacehowski et al.	—	—	
JHL	5,034,135	7/1991	Fischel	—	—	
JHL	5,053,121	10/1991	Schoendorfer et al.	—	—	
JHL	5,053,127	10/1991	Schoendorfer et al.	—	—	
JHL	5,061,381	10/1991	Burd	—	—	
JHL	5,104,526	4/1992	Brown et al.	—	—	
JHL	5,114,396	5/1992	Unger et al.	—	—	
JHL	5,135,667	8/1992	Schoendorfer	—	—	
JHL	5,147,290	9/1992	Jonsson	—	—	
JHL	5,171,456	12/1992	Hwang et al.	—	—	
JHL	5,186,844	2/1993	Burd et al.	—	—	
JHL	5,188,583	2/1993	Guigan	—	—	
JHL	5,194,145	3/1993	Schoendorfer	—	—	
JHL	5,217,426	6/1993	Bacehowski et al.	—	—	
JHL	5,217,427	6/1993	Cullis	—	—	
JHL	5,260,598	1/1993	Brass et al.	—	—	
JHL	5,275,731	1/1994	Jahn	—	—	
JHL	5,281,342	1/1994	Biesel et al.	—	—	

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*Darl Lahr*

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DLL	5,295,953	3/1994	Richard et al.	—	—	
DJL	5,298,171	3/1994	Biesel	—	—	
JFL	5,370,802	12/1994	Brown	—	—	
JL	5,376,263	12/1994	Fischel	—	—	
DL	5,405,308	4/1995	Headley et al.	—	—	
LJ	5,421,812	6/1995	Langley et al.	—	—	
DLL	5,445,593	8/1995	Biesel et al.	—	—	
DLL	5,464,534	11/1995	Fischel	—	—	
JLP	5,494,592	2/1996	Latham, Jr. et al.	—	—	
JL	5,571,068	11/1996	Bacehowski et al.	—	—	
DLL	5,605,842	2/1997	Langley et al.	—	—	
JL	5,607,579	3/1997	Latham, Jr. et al.	—	—	
DJL	5,607,830	3/1997	Biesel et al.	—	—	
DLL	5,611,997	3/1997	Langley et al.	—	—	
DLL	5,614,106	3/1997	Payrat et al.	—	—	
DJL	5,651,766	7/1997	Kingsley et al.	—	—	
DJL	5,653,887	8/1997	Wahl et al.	—	—	
DJL	5,674,173	10/1997	Hlavinka et al.	—	—	
DJL	5,702,357	12/1997	Bainbridge et al.	—	—	
DJL	5,704,888	1/1998	Hlavinka et al.	—	—	
DJL	5,704,889	1/1998	Hlavinka et al.	—	—	
DJL	5,722,926	3/1998	Hlavinka et al.	—	—	
DJL	5,723,050	3/1998	Unger et al.	—	—	
LJL	5,728,060	3/1998	Kingsley et al.	—	—	
DJL	5,733,253	3/1998	Headley et al.	—	—	
DJL	5,738,644	4/1998	Holmes et al.	—	—	
DJL	5,738,792	4/1998	Schoendorfer	—	—	
DJL	5,779,660	7/1998	Kingsley et al.	—	—	

EXAMINER <i>David Martin</i>	DATE CONSIDERED <i>5/29/03</i>
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PLK	5,783,085	7/1998	Fischel	—	—	
DHL	5,792,038	8/1998	Hlavinka	—	—	
DLF	5,853,382	12/1998	Kingsley et al.	—	—	
DHL	5,876,321	3/1999	Hlavinka et al.	—	—	
DHL	5,882,289	3/1999	Sakota et al.	—	—	
DHL	5,885,239	3/1999	Headley et al.	—	—	
DHL	5,904,355	5/1999	Powers	—	—	
DHL	5,939,319	8/1999	Hlavinka et al.	—	—	
DHL	5,951,877	9/1999	Langley et al.	—	—	
DHL	5,954,626	9/1999	Hlavinka	—	—	
DHL	6,007,509	12/1999	Kingsley et al.	—	—	
DHL	6,019,742	2/2000	Headley et al.	—	—	
DHL	6,039,711	3/2000	Headley et al.	—	—	
DHL	6,053,856	4/2000	Hlavinka	—	—	
DHL	6,062,078	5/2000	Meisberger	—	—	
DHL	6,074,335	6/2000	Headley et al.	—	—	
DHL	6,099,491	8/2000	Headley et al.	—	—	
DHL	6,102,883	8/2000	Kingsley et al.	—	—	
DHL	6,200,287	3/2001	Keller et al.	—	—	
DHL	6,221,315	4/2001	Giesler et al.	—	—	
DHL	6,261,217	7/2001	Unger et al.	—	—	
DHL	6,273,849	8/2001	Scherer	—	—	
DHL	6,277,060	8/2001	Neumann	—	—	
DHL	6,280,375	8/2001	Meisberger et al.	—	—	
DHL	6,296,602	10/2001	Headley	—	—	
DHL	6,315,707	11/2001	Smith et al.	—	—	
DHL	6,319,471	11/2001	Langley et al.	—	—	
DHL	6,322,488	11/2001	Westberg et al.	—	—	

EXAMINER <i>Danil Horki</i>	DATE CONSIDERED <i>5/29/03</i>
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	b2r	6,325,775	12/2001	Thom et al.	—	—	
	bjv	6,334,842	1/2002	Hlavinka et al.	—	—	

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLISHED DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
	b2r	26 58 926	12/1976	DE	—	—	
	bjv	0096217	2/1983	EP	—	—	
	b2r	0214803	3/1987	EP	—	—	
		PCT/US95/13447	4/1996	International Search Rept. (03/29/1996)			
	b2r	PCT/US95/13447	4/1996	WO	—	—	
	b2r	PCT/US96/03018	12/1996	WO	—	—	
	b2r	PCT/US00/06561	9/2000	WO	—	—	
	b2r	PCT/US00/06945	9/2000	WO	—	—	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

b2r	D. W. Schoendorfer: Automation in Apheresis, pp.129-146 (undated, in use one year prior to filing)

EXAMINER	<i>David J. Vashni</i>	DATE CONSIDERED	5/29/03
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		DOCUMENT NUMBER	PUBLISHED DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
DJL		JP55086552	June 30, 1980	Japan			Abstract only
DJL		EP 1043072	Oct. 11, 2000	European Patent Office	—	—	Abstract Only

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

DJL	Patent Cooperation Treaty Search Report for Application No: PCT/US01/46940

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